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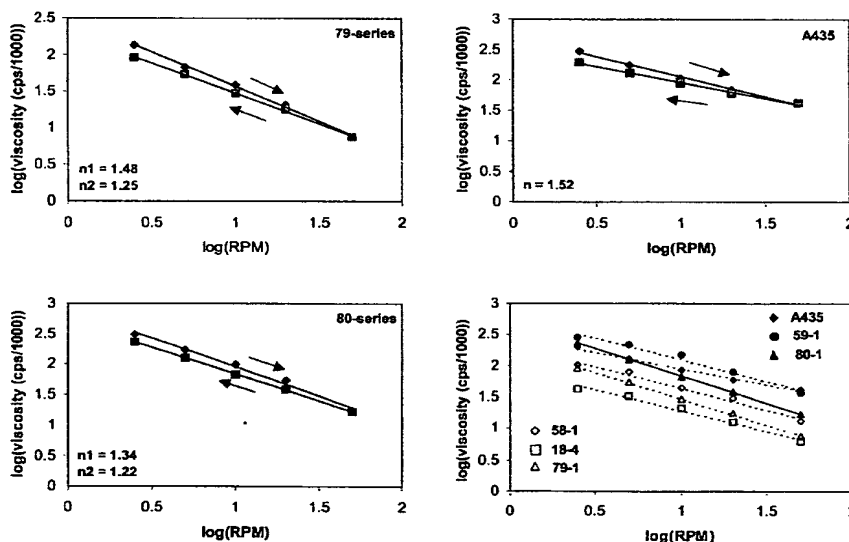
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(54) Title: ELECTROCONDUCTIVE CARBON FIBRIL-BASED INKS AND COATINGS

Rheology of Fibril Based Inks ("n1" and "n2": Shear thinning index; the higher the better)



(57) Abstract: The present invention relates to electroconductive inks and methods of making and using the same. The electroconductive inks include carbon fibrils and a liquid vehicle. The electroconductive ink may further include a polymeric binder. The electroconductive filler used is carbon fibrils which may be oxidized. The ink has rheological properties similar to that of commercially available electroconductive inks that use carbon black as their filler. The ink can be screen-printed, slot-coated, sprayed, brushed or dipped onto a wide variety of substrates to form an electroconductive coating.